

N. B.—The above cuts are taken from Graining done with plates, Nos. 25, 9, 33, 2, 23, 4 and 12. Commencing with light plate No. 25, at top and ending with Heart plate No. 4, at bottom, the side long strip being done with rosewood plate No. 12. Though this graining looks passably well, it falls far short of being as handsome graining work as the plates will do. Yet it is as good as can possibly be shown by an engraving representing graining.





Diese Werkzeuge sind in allgemeinem Gebrauch in den Ver. Staaten und Canada. Eine vollkommene Imitation der hellen Fibern, Herzen, Krummadern 2c. der verschiedensten Holzarten ist in biegsamen Messingplatten geschnitten (ähnlich wie in dem Holzschnitt abgebildet); die Oberflächen sind gerippt, um Luft durchzulassen und das Aufeinanderkommen und Verschmutzen der Farben zu verhüten während sie auf die vorher mit Lederfarbe bestrichenen Flächen gelegt werden. Die Platte wird sodann 3 bis 4 mal mit dem breiten aus Stahlblech gemachten feinen Kamm, dessen Zähne zuvor mit Baumwollsaat belegt worden, überstämmt, und die feinste Lederarbeit ist das sofortige Ergebnis.

Diese neuen Platten sind von starkem, dünnem, biegsamem und fein temperirtem Messingblech gefertigt, und so geschnitten und perforirt, daß bei ihrer Anwendung solche Arbeiten und Figuren bewirkt werden, die sonst gewöhnlich die Hand des Künstlers erfordern. Jede Platte produziert eine große Menge verschiedener Entwürfe durch Wendungen, ohne irgendwie Ueberhang, Fugen oder Spalte zu zeigen. Sie sind besonders geeignet zur Imitation der Ader von Eichen, Eschen, Walnuß, Kastanien, ungarischen Eichen (einschließlich der Kreislabern oder Knorren dieser Holzarten) in Delfarben und französischem Walnuß, Zuckerahorn 2c., in Wasser- oder Leinwasserfarben. Die Entwürfe sind genau, elegant und rein, geben eine hübsche Verschiedenheit, sind sowohl an tiefen als erhabenen Paneelen, Gesimsen, Wandbekleidung 2c. jeder Größe leicht angebracht und irgend ein gewöhnlicher und einfacher Anstreicher kann mit einem Sortiment derselben bei Befolgung der gedruckten Anweisungen sehr elegante, reine und schnelle Arbeit verrichten. Sie erweisen sich auch höchst bequem und nützlich, weil mit denselben in wenigen Tagen in der Kunst des Lederns mehr gelernt werden kann, als man ohne denselben bei Jahre langer Praxis und Übung zu erzielen im Stande ist. Professionelle Ueberer werden sie ganz besonders vorthellhaft finden bei großen und schnell zu beseitigenden Arbeiten, weil mit denselben in der nämlichen Zeit vier Mal so viel Arbeit verrichtet werden kann, als in der gewöhnlichen Weise. Wir garantiren, daß ein volles Sortiment viele Jahre harter Arbeit aushält und sich in kurzer Zeit selbst bezahlt macht.

N. B.—Wir warnen Jedermann, keine metallene Leder-Platten oder Patronen von irgend welchem Material, Entwurf oder Muster zu kaufen oder zu benutzen, außer man bekommt dieselben von der Haupt-Niederlage des Patent-Inhabers, und sind dieselben mit dem Patent 2c. gestempelt.

Werther Herr!—Für die nächsten sechzig Tage von diesem Datum, oder bevor die geschäftige Jahreszeit eintritt, er bieten wir uns, ein vollständiges Sortiment von zehn Leder-Platten, wie dieselben in obigem Holzschnitt abgebildet sind (eine ausgezeichnete und dauerhafte Ausstattung) mit einem Kamm, einem neuen und verbesserten Würfelstippler (check stippler) und Knotenplatte, sowie volle Anweisung für alle Leder-Arbeiten, mit dem Recht dieses werthvolle Patent in irgend einem unreservirten Territorium zu gebrauchen—alles vollständig in einer netten Schachtel verpackt—für den niedrigen Preis von \$20.00 zu verabsolgen. (Diese Platten wurden vor nicht sehr langer Zeit zu \$5.00 das Stück verkauft.) Solche, die nur etliche Platten zum Probiren zu haben wünschen, ehe sie das ganze Sortiment kaufen, können die Hälfte oder irgend eine Auswahl von 5 derselben für \$10.00, oder irgend welche 3 derselben für \$6.00 haben; Würfelstippler, Kamm und Knotenplatte jedes 50 Cents extra. Der Rest des Sortiments kann zu den 10 Platten-Platen erlangt werden, wenn man dieselben innerhalb 60 Tage von der Zeit des Empfangs dieser speziellen Offerte bestellt, welches auch das Vorrecht einschließt, irgend welche andere Auswahl aus den 14 Platten, welche auf der anderen Seite dieses Circulars so schön abgebildet sind (ausgenommen Platte 12), zu denselben Platten zu bekommen. Man muß auch in Betracht ziehen, daß jede einzelne Platte an sich selbst eine völlige Maschine bildet, indem sie durch Wendungen schnell eine Menge verschiedenartiger Muster produziert und nicht nur die abgebildeten, wie man etwa glauben möchte. Ein Sortiment von 10 Platten ergibt daher eine fast unbegrenzte und endlose Verschiedenheit von Entwürfen und Mustern. (Man sehe die den Platten begleitenden Anweisungen.)

Alle Aufträge, welche mit dem vollen Betrag entweder in Wechsel (draft), P. O. money order oder in registrirten Briefen eingeschlossen begleitet sind, ersparen die Retour-Expenses und erhalten sofortige prompte Aufmerksamkeit. Alle C. O. D. Bestellungen (d. i. bei der Ablieferung einzufassende Bezahlung) müssen stets von \$3.00 bis \$5.00 des Betrages begleitet sein, um beachtet zu werden, welches dann pünktlich geschieht, und die so vorausbezahlte Summe wird auf der den Waaren begleitenden C. O. D. Rechnung quittirt und abgezogen, mit dem Vorrecht des Empfängers, die Waaren erst zu prüfen, bevor er den Rest bezahlt.

P. S.—Die No. 12 (Rosenholz) Platte kann, wenn gewünscht, in allen Bestellungen eines vollen Sortiments von 10 Platten eingeschlossen werden.

Wer sich dieser speziellen Offerte zu Nutzen machen will, der beliebe, seine Bestellung ohne Verzug einzusenden

Abresse

Wm. S. Bregenger,  
Patent-Inhaber und ausschließlicher Perfektur,  
Cleveland O.

NEW ILLUSTRATED  
CATALOGUE AND PRICE LIST  
--OF--  
WM. J. BREGENZER'S  
PATENT  
Perforated Metallic Graining Tools,  
&C.,  
CLEVELAND, O.

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These plates enable any person, skilled or unskilled, to produce artistic and natural graining in a prolific and endless variety of designs in less than quarter the usual time required heretofore.



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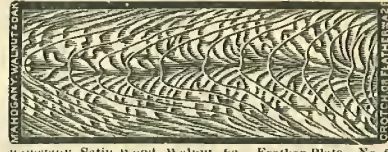
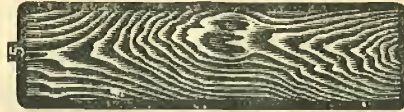
Dear Sir :

Having attained by perseverance and strict attention to this one specialty (being thoroughly Practical Grainers by profession) an unbounded reputation and popularity for these special goods from almost every known clime—receiving orders even from Europe, Australia and the Indies; and the thousands of foreign and domestic letters that have been received, praising our Graining Tools in the highest terms, proves the fact that our goods are all that is claimed for them by us as being **the Best Graining Tool, Process, or Machine**, for Graining, in the known world; and also a long-felt want that has never heretofore been filled, though several futile and unsuccessful attempts of glue rubber rollers, paper transfers, blotters, etc., which have proved worthless for house painters, &c., and are now dead and out of existence, which goes to prove the fact that our Graining Tools have come to stay and scoring another evidence of the proof that the survival of the fittest will and must exist. This has been thoroughly verified to the fullest extent by the severest tests of the past ten years, in which time our tools have been brought to the very highest point

I have been induced to issue and forward you this pamphlet, which I now offer to the general trade, and particularly to those most interested in producing first-class graining in a quick and profitable manner, confident that the interest felt by all good painters and grainers throughout the country, thoroughly in earnest regarding the welfare of their business, is sufficient to insure it a hearty welcome and recommendation from them, and into their hands I sincerely hope it may come, well knowing that such a time and labor-saving invention will fill a great and vacant want long felt and badly needed by the most experienced as well as the most inexperienced grainer, particularly at this day and age of rapidity and excellence in every department of workmanship and mechanism. We know full well that the invention of a method for producing good graining in a quick and easy manner by both learned and inexperienced has been the great and difficult problem long attempted to be solved, and the records of all inventions to date have been feeble attempts and but a succession of failures, one after the other, until the grand discovery of our Perforated Metallic Graining Plates, as herewith described.

The following descriptions and engravings, which are finely executed from photographs and fully described in the annexed pages, will thoroughly satisfy the severest critic at a glance that it is not the result of a passing thought, put crudely into practice, but the acme of mechanical skill, reached step by step, through many years of labor, experience and study, for in producing our Graining Plates in their present perfected shape and designs, we have not only secured everything that can be imagined or desired whereby the very best work in the most rapid and easy manner can be attained, but have far excelled our every attempt made in this direction heretofore, as well as double-distanced every other competitor of similar inventions in the field. Therefore any outfit of any No. of plate set of the graining tools, well shown and thoroughly explained in the following pages, presents the most elegant equipment in appearance, at the same time combining greater simplicity, strength, durability, cheapness (*though costing double as much to manufacture as any other graining process*), and less weight to carry (*full set being less than 5 lbs.*) than any other graining outfit or machine in existence. All catalogue sets are standard design plates from nature.

1st PAGE OF ENGRAVINGS.



Hungarian Ash, French Walnut and Maple Plate. No. 27.

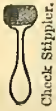
Hungarian, Satin-wood, Walnut, &c. Feather Plate. No. 28.



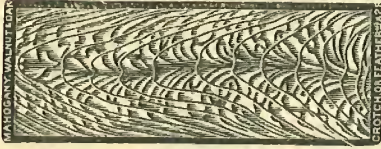
Showing complete 14 Plate set. Price only \$30.00  
Each Plate is numbered.

WM. J. BREGENZER, 771 Central Ave., S. E., Cleveland, O.





Stave Oak Lights or Panel Plate, No. 22.



Mahogany, Satin-wood, Walnut &c.  
Crotch or Feather Plate. No. 28.



Hungarian Ash and French Walnut Burl Plate.  
No. 27.



Growth or Heart Plate, No. 1.



Black Walnut Growth or Heart Plate, No. 10.



Growth or Heart Plate, No. 2.



Oak Lights or Panel Plate, No. 24.



Oak Lights or Panel Plate, No. 23.

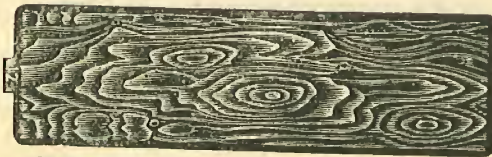


Oak Lights or Panel Plate, No. 25.

Any other selections can be made from the various plates shown in any part of this Catalogue, to make up the 14, 10, 8, 6, or 4 plate sets, if so desired.



Blender.



Brazilian Rosewood Plate, for Coffin and Casket Work, No. 12.



Overturner.

The above engravings show a choice complete 10 plate set, with working attachments included.  
Price, \$23.50



N. B.—Nearly all the plates shown on this page, including Nos. 27 and 28, are a trifle shorter than those on the 1st page, and makes an excellent 10 plate set. With Comb and Stippler, price \$20.00.



Growth or Heart Plate, No. 5.



Oak Lights or Panel Plate, No. 34.



Growth or Heart Plate, No. 4.



Oak Lights or Panel Plate, No. 29.



Ash, Growth or Heart Plate, No. 3.



Growth or Heart Plate, No. 7.



Oak Lights or Panel Plate, No. 26.



Growth or Heart Plate, No. 11.

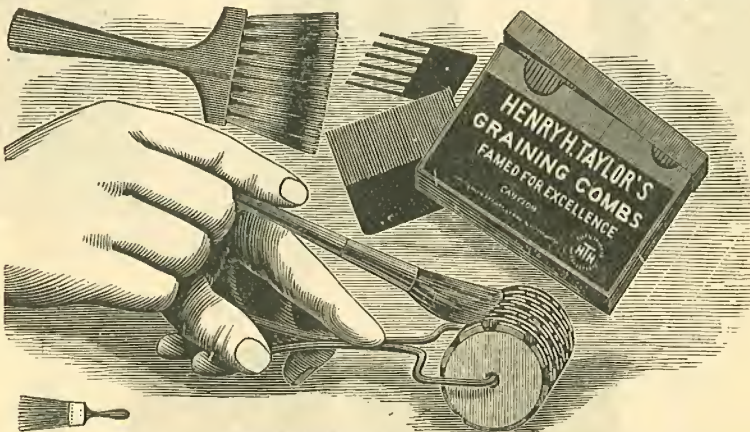


Oak Lights or Panel Plate, No. 21.



Growth or Heart Plate, No. 8.

N. B.—Most any of the heart plates shown on both these pages are well adapted for either oak, walnut, ash, chestnut, butternut or white walnut graining, &c. Changing grounds and graining colors to suit the wood to be imitated, see instructions accompanying every set of plates.



Patent Applied for.  
Showing the group of plate working attachments, consisting of a top or overgrainer, box of steel combs, Badger hair blender, check stippler, and mode of rolling the same on the work.

P. S.—Oak lights are sometimes termed champs, sap-work, dapples, &c., but are more generally known by the term lights, and for the others, growth or hearts, feathers or crotches.





Hungarian Ash French Walnut Burl and Maple Plate. No. 27.



Mahogany, Satin-wood, Walnut, Oak &c. Crotch or Feather Plate. No. 28.

Showing Plate 27, which produces the Burl or French Walnut Veneer graining, a sample of which is fully shown on 5th page of engravings. It also does Hungarian Ash and Maple in distemper colors. Plate No. 28 is used for Oak, Walnut, Mahogany and Satin Wood crotch work in distemper colors; (the term distemper color here means graining color mixed and ground fine in equal parts of sour beer and water). See sample of crotch work on bottom door, page 8.

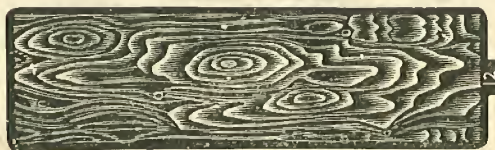
This three plate set. Price \$6.00.



Wide Fine Steel Comb.



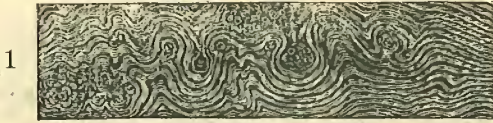
Check Suppler.



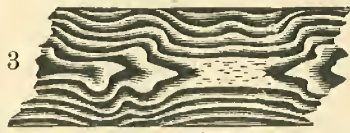
Showing the Rosewood Plate 12, for coffin and casket work and all rosewood oil graining, used with best effect in distemper, using damp chamois or cloth, and fine steel wiping comb.



## DESCRIPTION OF FRENCH WALNUT BURL WORK, DONE WITH PLATE NO. 27.



1 This 1st Engraving shows French Burl Walnut Graining in distemper color, done with Plate 27, which mottles the work into burls or knots, by promiscuously wiping and moving the plate here and there simultaneously and apparently in a reckless and random manner, which is afterwards well blended across the grain, very lightly, until dry; then top-grained with same color a little darker in curls or graceful sweeps, and again well blended across the grain, lightly, until dry; then stippled with the check stippler in curls or curves as before, in oil color, and is then ready for varnishing, when dry.

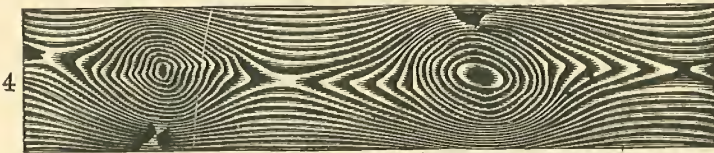


2 This 2d Engraving is a section of work done with Heart Plate No. 4, turned and joined end to end.

3 The 3d Engraving is a sample of same done with Plate No. 11, turned and joined end to end, as before, and both these (plates 4 and 11) could be connected with the finger and cloth, if desired, into one long heart.

Any plate in set can be thus joined end to end, middle to end, or top to bottom, in whole lengths or in sections, to make long, continued stretches of either hearts or lights, as various portions of the plates are used at intervals to make variety of pattern; so that with any one plate a great many pieces of work may be made entirely different; and an endless variety of work may be secured, and all tame repetition of patterns avoided, as the next cut will more fully explain.

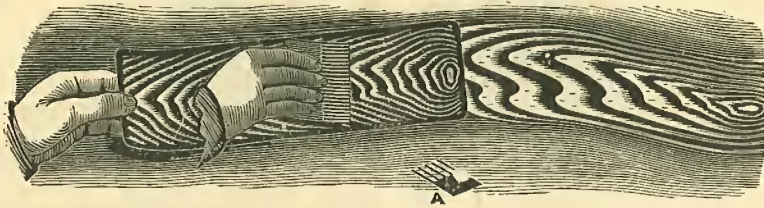
## SAMPLE OF JOINED WORK DONE WITH HEART PLATE NO. 2.



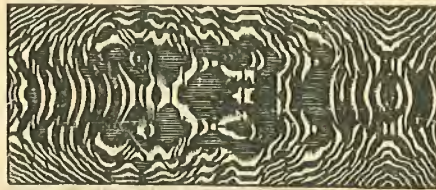
4 This 4th Engraving shows an extended Growth or Heart made with the No. 2 Plate changed round and matched at different sections of the plate. Any heart plate in set being thus used is well suited for oak, ash or walnut, by changing ground and graining colors to suit the wood to be imitated and moving or sliding the plate, as the next engraving fully describes. The knots or shades shown at outer edge of work are then put in with the knot plate shown in best sets in Engravings, and fully described in the color and using instruction accompanying the plates.



## SHOWING THE MODE OF SLIDING THE PLATE.

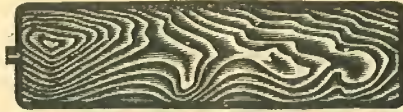


This 5th Engraving shows Plate 6 in actual sliding use. Any plate in set can be thus slid along over the wet color with one hand, while wiping out with wide fine steel comb (teeth lapped in a piece of graining cloth) with the other hand. There is no cloth over the comb shown in engraving simply to show the position of the comb, which is held *almost flat while wiping quickly over the plate*, as the plate moves slowly along in straight or graceful curves over the wet color, producing graining in an almost endless and ever-changing variety of design, and *suitable for the grain of almost any wood desired to be grained*, by changing grounds and graining colors to suit the wood to be imitated. Sliding the plate in the opposite direction *makes the graining work smaller and finer if desired*. The coarse steel comb, shown at A, is a common three inch comb that had once 9 teeth in all, but every alternate tooth is purposely broken out, leaving but five teeth in all. Such are easily made from old coarse steel combs. In using, a piece of cloth is put over the teeth, which is all that is needed to comb or continue out the sides of the heart work into plain combing to any width of heart desired. The small pores or checks as shown in the work are put in after with the check stippler. The entire work is then well blended against the heart points or grain of the hearts, which gives the softened or feather edge to the work, which is then completed.

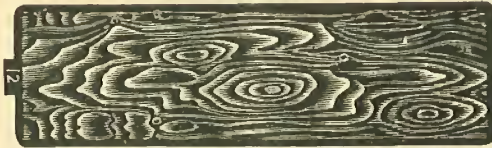


This 6th or last Engraving shows a panel of Oak Lights done with Plate 24, matched or joined edge to edge, and also end to end, which shows a wide double width finished panel, with all the work in the center of the panel, instead of just one edge, and balance combed as is usually done. With the Oak Light plate, sliding movement, *as per No. 6 Heart Plate, like sliding sample herewith shown in the above 5th Engraving* the oak lights in any of the plates are expanded, enlarged or scattered more separate and further apart, and making if desired, less than one-half the amount of dappled work appear on the door, or work to be grained, than is in the plate itself when held steady and wiped without sliding it. Thus are great and beautiful varieties obtained, and excellent work accomplished in the most rapid and easy manner, even by the most inexperienced grainer. See color and working instructions accompanying every set of plates.





Best ENGLISH Combs



The above plates are a choice collection of a full complete 8 Plate Set, and all working attachments included. Any of the above plates may be omitted and others chosen from any page of engravings to suit the purchaser, if desired. **Price, \$19.50**

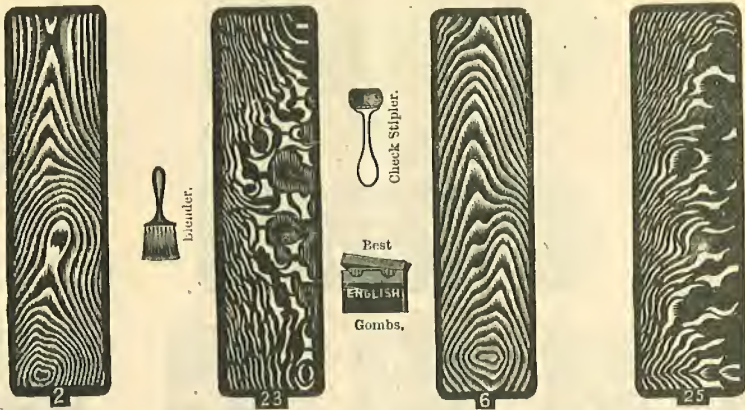


Best Combs.

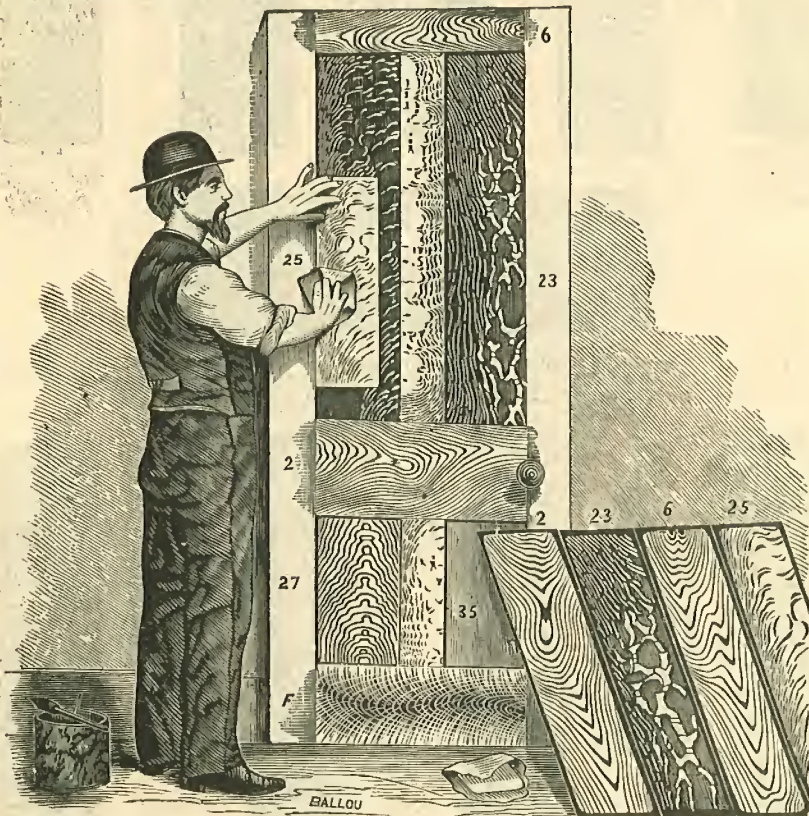


The above plates are a choice Six Plate Set complete, with all general working attachments included. Any other selections from any page may be substituted for these if desired. **Price, \$15.50.**





The four plate set shown above is a neat selection, and is what is in use by the operator graining the door side, in the engraving below. Other selections, from any pages, may be chosen and substituted by the purchaser, if desired. Price \$10.50, or \$9.00 without working tools, but including working comb, stippler and 1 pad



Shows the manner of using the plates while graining a door side, or other work.



## Description and Mode of Operation.

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These plates are undoubtedly the only applicable and perfect method ever invented for graining the imitations of the various kinds of wood, and are well adapted to the wants of house painters, grainers, furniture, refrigerator and coffin manufacturers, and manufacturers of japanned tin, pails, and painted ware generally, being easy of application, rapid of execution, neat, clean, durable and cheap, and not requiring for their adequate performance, skill acquired by long practice, but can be successfully performed by the comparatively inexperienced more rapidly than by the most skillful under the old process.

Hitherto the operation of graining has been slow, tedious, laborious and expensive. It is claimed, however, for this method, that at least fully six times as much work can be performed by its use as could be done in the same amount of time required heretofore, while the quality of the work is par excellent with the best hand graining or thumb wiping.

These plates are arranged together in sets, and are neat in appearance, light, portable, handy and durable, they being made of thin, strong, pliant and flexible metal, and are thus capable of having all the lights or champs, hearts or growths, crotches or feathers, knots, &c., successfully wiped out, clean and natural, through the cut pattern designed in the plate, and are sufficiently pliant and flexible for graining any small, irregular, sunk or raised panels or surfaces of any size, heavy mouldings, wainscot, or any general work, and the plates being of a metallic nature are easily and continually kept clean, and bright by constant use, the surfaces of which are corrugated to admit air between the plates and graining color, which effectually protects the wet graining color from being blurred and naturally improves the work while being operated.

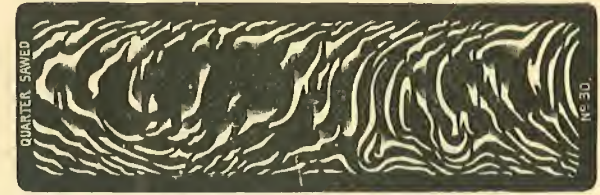
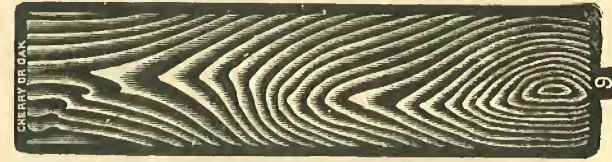
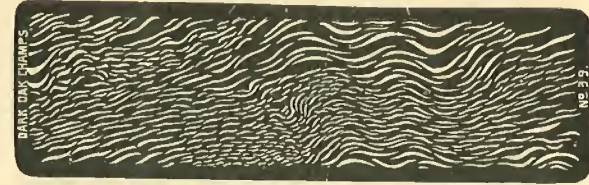
The operation is as follows: The desired graining color is painted on the door wainscot, or work intended to be grained, with the rubbing-in or paint brush, and the panels or places intended for lights or dapples, (but not for hearts), are combed as heretofore. Immediately thereafter the plate is put against the wet graining color and held firm and stationary with one hand, while with the other the widest steel comb, the teeth of which are lapped in one layer of common cloth or cotton flannel, is drawn over once or a few times, which penetrates the opening of the plate and cleanly removes the wet color laying under the cut patterns in quantity, (see engraving of operator graining a door). The plate is then removed, the work blended lightly (and shaded if desired when dry,) and is completed.

SUPPLEMENT TO CATALOGUE.

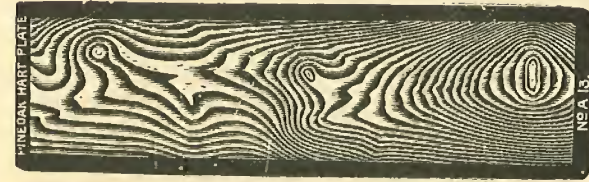
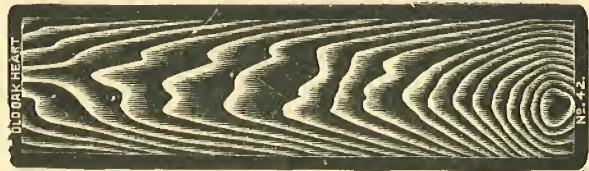
# List of New Additional and Old Standard Graining Plates Combined.

**Now Ready and Hereafter Constantly in Stock.**

**NOTE.**—Each alternate plate herewith shown, beginning at the left hand side of this sheet, is a new plate; the next plate adjoining it is a standard old design, as is now shown in this illustrated catalogue book of designs. All the others would appear as well in the catalogue as they do here, if they were engraved as large as these herewith shown. But for want of room they are engraved much smaller on the pages of the catalogue.







Our customers are represented in every State of the Union, Canada, and in some of the foreign countries. It will be unnecessary to say anything more here, as everything else has been explained in the catalogue and accompanying circulars.

We will sell the above assorted (13) Plate Set with Comb, Stippler, and printed Instructions for all work, for the low price of \$25.00; and with Badger Blender Set of 12 Combs, Flogger Brush for Walnut Stippling, and Over-graining Brush, all for \$28.00 cash, or part cash with Order and balance U. O. D. This set is of the very latest assorted Plates from natural wood designs.

Hoping to hear from you with orders, Yours very respectfully,

P. S. Exclusive County and Township Rights

**WM. J. BREGENZER,**

Address all communications to 771 Central Ave., S. E., Cleveland, O.

The operator, as shown in the engraving, is in the action of wiping out the oak lights on the door panel, and is using the oak light plate No. 25 in four plate set shown at the right hand lower corner of the engraving, the color being first rubbed in on the door and combed as heretofore, the operator having just finished the lockrail with the growth, or heart plate No. 2, and top cross stiling with heart plate No. 6, the color being first rubbed or brushed on the work as heretofore, but not combed or blended until the heart is first wiped out. Any of these hearts are capable of graining oak, ash, chestnut, walnut, butternut, etc., in great variety, by sliding the plates and wiping out while in motion, which makes the hearts large or small, fine or coarse, as required, at the operator's will. The middle door stilings are done with the oak light, plate No. 35 (shown on 1st page of engravings), which is dark lights, the color being simply brushed through the plate on the work after the combing is dry. The lower left hand door panel has been grained with the Hungarian Ash plate No. 27, simply to show its form. This plate also does splendid French walnut when used in distemper color, wiping out promiscuously over its surface with a damp chamoise leather lapped over the teeth of the wide and finest steel comb, and then blending the work across the panel in one direction until fully dry, which should afterward be over-grained in curls or graceful sweeps, well blended across in the same way, (see sample of work done on 5th page) then varnish. It shows the crotch 28, or feather plate work, which grains walnut, oak crotch, work also satin wood and mahogany, and can be used in either oil or distemper, the same as any other plate is used. For walnut or oak the under-grain should be first done on the panel or work with a broad-toothed steel or rubber comb, which leaves dark over-grain lines similar to a heart in oil color, and left to dry thoroughly, then, when dry, new and darker color put over it a second time, then the plate put on this last color and wiped out, clearly showing the previous under and over-grain simultaneously, (see bottom cross-stile of door), but the over-graining lines should be dark instead of light. For further explanation see color and using instructions which accompany the plates.

Various portions of the plate may be used at intervals to make variety of patterns, so that with one panel plate a number of doors may be made entirely different from each other, as all the designs in the various plates are made to match each other at any section, and the entire plates also match, so that an endless variety of pattern may be secured, and thus tame repetition avoided.

The plates, hearts especially, can be slid along forward in a straight direction or in twisted curves, (cloth combing the plate as before, while in motion.—See engraving showing the plate in full working action, page 6 of engravings), or the plate can be drawn backward toward the person using it, which makes the work smaller or finer than the forward slide, and produces hearts suitable for oak, walnut, butternut, ash, chestnut, cherry, rosewood, etc., by changing the grounds and graining color to suit the wood to be imitated, and sliding the plates backward or forward, or in curves, as you feel disposed to do, using the rubber, or coarse narrow steel comb, and cloth over the teeth, to bring out the sides of the heart into plain combing, or in parallel curved lines with the heart, cheek rolling, then blending the hearts well against the grain with a dry brush or blender, and finishing up the sides with fine steel combing alone. Thus it will be seen at a glance, that the designs produced change with every motion of the plate, so that no two pieces can be alike, but have a continual change, as in the natural wood.



The foregoing descriptive illustrations and engravings are sufficient, with little practice, to enable any person to handle the plates with rapidity and success.

Further illustrations and instructions are put up in each set, together with the newest and best standard receipts for mixing and using all kinds of graining colors, both in oil and distemper; also their respective grounding colors for oak, walnut, ash, butternut, cherry, mahogany, rosewood, etc.; but any good graining color, mixed as heretofore, will answer for plate work.

### SIZES OF THE PLATES.

The best working sizes to make the plates has been quite a study for years, and after various trials and experiments, we find 20 to 22 inches long by 6 or 7 inches wide is about the best and handiest working size for lights we have yet found, and is also the most portable and handy to carry; while still shorter lengths for the hearts are found to work best, 20 inches long by 6 or 7 inches wide, down to 16 inches long by 6 or 7 inches wide; these are the standard sizes, as they can be easily held in position while working, and rapidly turned end for end to make long and continuous hearts; are easily slid along to alter the pattern and make long stretches of work,—as per engraving 6th page; hence the value of long or short plates is almost equal, as short ones have as much work or as many figures in them, for their length, as long ones.

### DESCRIPTION OF THE MANUFACTURE OF THE PLATES.

Having shown the various plates and mode of using them, will now present a more complete knowledge of them by a brief description of their manufacture:—

Will mention first that the plates are made of good, thin, flexible, and finely tempered metals; are designed and cut from choice, natural and artistic specimens from the natural wood, and, when necessary, hand work is introduced to make nature more elaborate and fancy; thus combining nature and art together, with a grander result, than when depending solely on all nature, or all art, alone. To make the best work we find, after years of experience and large expenditure of time and money perfecting all the tools necessary to make the plates, that the greater part of them must be made and cut by hand, carefully allowing for strength between the spaces, and varying the design in every cut, as the metal stretches or expands out of place a little while cutting. Hence no two plates, although similar, are exactly alike, thus a good point is gained, that no machine cutting would ever accomplish.

The surface of the plates are then corrugated by a peculiar process, to admit of air, and prevent the wet rubbed-in graining color on the work from being marred or injured with the plates, while being laid thereon to wipe out the figures or designs of the plates, which would otherwise suck off the color, if not thus corrugated. After being put through the corrugating machine, they are then filled, cleaned on thoroughly polished bright surfaces, with fine steel wire brushes on a cylinder, so as to take out all unevenness, thoroughly lacquered over both surfaces, and are then complete, boxed up in sets ready for shipment.

### SIZES OF THE SETS OR QUANTITIES OF PLATES IN EACH SET.

We show on the 2nd, 3rd and 4th pages of the engravings of many plates, so that large or small sets of plates may be readily selected therefrom by purchasers to suit themselves, as each plate is distinctly numbered on its margin.

We also show in the engravings the group of plate working tools, or attachments, necessary to work the plates to the best advantage, consisting of a Badger Hair Blender, 1 set of Steel Combs, 1 Top Grainer, for overgraining maple, French burl walnut, etc., a specimen of which is shown on 5th page of engravings; also, our new improved Check Stippler, which is for putting in the season pores or checks in oak heart work, and can be used to very excellent advantage for stippling walnut in oil color, and gives to all grained work that it is used on, even though imperfectly executed, a hardwood-like and solid appearance. Extra plates can be purchased from time to time to complete all the plates we have herewith shown in the engravings, into one grand complete outfit of all of them, if desired.

You may make up your own set, if you wish to. You may select any plates from any pages. Price \$2.00 each; three or more \$2.00 each.

All sets of four plates or more, may have a check stippler, five inch fine steel comb, and one rubber pad included for \$1.00 extra for all three, if you wish.



## Prices of the Standard Sets of Metallic Graining Plates.

The 14 plate set is the best and largest set now made, and a complete selection is fully shown on first page of engravings. The set is capable of graining all the different and difficult kinds of fine, rich graining now in demand, with an almost endless and ever-changing variety of designs.

Price, including all working attachments or tools, consisting of one full set of best English steel combs; one best badger hair blender; top-grainer or over-grainer; new improved check stippler; polished steel working or wiping-out comb; hog hair flogger, long hair; one set rubber comb, 4 sides, cut graduated, used for plain combing of styles, base boards, etc.; also a full working instruction pamphlet that explains everything, goes with every sale; only \$30.00 or \$27. without brushes, etc. but including check stippler, steel comb and rubber pad.

The 10 plates set, which is shown on 2nd page of engravings, is capable of doing the same work as the above 14 plate set, less the amount of variety of plates, and completes the next best set. Price, with all described working tools enumerated in 14 plate set, only \$23.50 No brushes, but including check stippler, five inch steel comb and one rubber pad \$19.00

The 8 plate set is well suited for all general graining, and is capable of doing the same as the above 10 and 14 plate sets, but of course less the amount of change of designs and fine large variety of plates. Price, including every tool and attachment described in first set above mentioned (this set is fully shown on 7th page of engraving), only \$19.50 no brushes, but including check stippler, five inch steel comb, and one rubber pad. \$16.00

The 6 plate set is well adapted to house painting and jobbing, and also for furniture and refrigerator manufacturers and those not desiring large varieties. Price, including all general working tools and attachments described in above 14 plate set, only \$15.50. This set is well shown on bottom of 7th page of engravings. Price without attachments, but including check stippler, steel comb and one rubber pad, \$12.50.

The 4 plate set shown on 8th page of engravings, is valuable for small jobbing work only. Price, with all working tools above mentioned, only \$12.00. No brushes etc. but including check stippler, steel comb, and one rubber pad, \$9.00.

Each of these sets includes 1 rubber pad, 1 check stippler and 1 five inch fine steel comb.

Single plates \$2.00 each.

The above prices are strictly net cash; ask for no other terms, unless on large orders for a quantity of sets.

Each outfit is inspected and tried by the patentee before shipment.



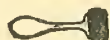
Price of full set of best English steel combs, in tin case, \$1.25.



Badger hair blenders, \$1.20.





Extra fan shape, best bristle top grainer, for overgraining all work in distemper, 40 cents.





New improved check stippler, as shown in every set, 50 ct.  
Add 10 to 15 cents extra if sent by mail.

All the working attachments alone, shown in group on 3d page of engravings, \$4.50, including flogger and rubber set comb.

 Single fine, five inch wide, polished steel combs, having 12 teeth per inch, and very useful and essential for working the plates with when out of the fine combs belonging to full set, and specially used to wipe out the plate work exclusively, price 40 cents each. Any two combs cleated side by side to make width will do.

 Large extra rubber set comb, four sides cut graduated, for combing out door stilings, etc., and not needed nor supplied to work the plates with, and used for heavy coarse combing only, price, only 40 cents each, or 3 for \$1.00.

 Extra long heavy bristle walnut water color pouncers or stipple floggers, best selected, working size, price \$1.10 each.

 3 inch steel comb, teeth graduated from fine to coarse, just right for combing the panel work before applying the lights, price 30 cents.

Price of Rosewood Plate, No. 12, shown on 4th page of engravings, \$2.00. With all necessary working attachments, consisting of a Badger Hair Blender, one fine wide Steel Comb, and one improved Check Stippler, only \$4.00. This completes an excellent Rosewood outfit, for coffins, caskets, etc.

Price of either French Walnut Plate, No. 27, or Crotch Plate, No. 28, each \$2.00. With all necessary working attachments consisting of a Badger Hair Blender, one fine working wide Steel Comb, one new improved Check Stippler, and a French Burl Overgrainer. This makes a complete French Walnut and Maple outfit, price only \$4.25. Price of both plates, 27 and 28, together, without any attachments, only \$4.00. Price of both plates together with all attachments as above stated with 27, or French Walnut and Maple outfit, only \$6.25. This outfit is fully shown on page 4, and sample of Burl Walnut on page 5 of engravings and crotch work on bottom door stile on 8th page. Later designs now.

#### OUR PRICES WILL BE AS FOLLOWS:


##### Metallic Graining Plates.

Choice of any metal plate in the entire Catalogue	-	net, \$2.00 each.
Three or more plates	-	" 2.00 each.

##### Rubber Pads.

Pads No. 1 and 2,	-	-	-	-	"	.50 each.
Pads No. 3 and 4,	-	-	-	-	"	.50 each.
Pad No. A.	-	-	-	-	"	.75 each.
Patent Blending Comb	-	-	-	-	"	.25 each.
Set of 5 Pads, and Blending Comb	-	-	-	-	"	2.75

Terms cash, or part cash with C. O. D. bal., as per catalogue, if desired, and to examine.

 Dealers' trade specially solicited.

Kindly make your selection and take advantage of these very low rates.

Yours very respectfully,

WM. J. BREGENZER,

771 Central Ave, S. E., Cleveland, O.



# Detailed Description with Engravings, SHOWING A COMPLETE SET OF OUR **NEW RUBBER PADS.**

Patented June 7th, 1898, (Filed Nov, 13, 1896.)

ALSO.

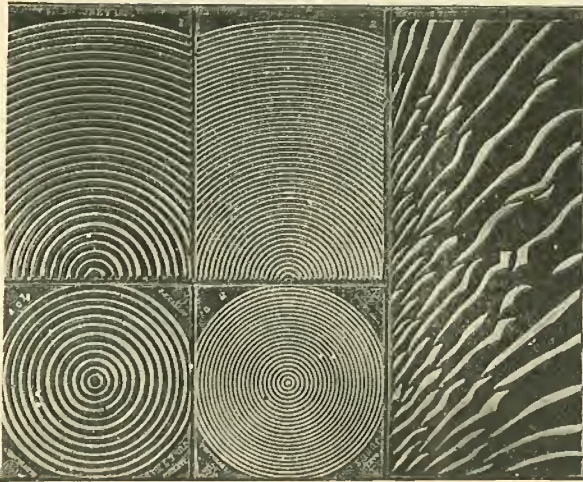
DIMENSIONS OF PADS ARE AS FOLLOWS:

Pads 1 and 2 size 8" x 5½", Pads 3 and 4 5½" x 5½", Pad A 13¼" x 5½".

Pad No. 1.

Pad No. 2.

Quartered Oak.



Pad No. 3.

Pad No. 4.

Pad No. A.

These Pads have been in practical and successful use by us for almost two years prior to filing the patent. They are made of flexible sheet rubber about one-third the surface size of our patent metal graining plates, so well known and so largely in use all over the United States, Canada, and some foreign countries.

## THE PADS

have relief lines and figures on the surface as per engraving, and

are used in connection with the **GRAINING PLATES**, thus giving greater variety. A set of these new Pads will last longer and works entirely different to the old-fashioned rubber rolls shaped like a wringer with lines cut therein. One of our Pads is worth a dozen such rolls, and can be used to grain hollow, warped, and uneven surfaces and mouldings as easily as plain surfaces. For in working these pads, they are combed with pressure on the back or smooth side while drawing both comb and pad over the work at different rates of speed, the same as the metal graining plates are worked, hence irregular surfaces, mouldings, etc., are as easily grained as a smooth panel, and with endless variety. (*See engraving.*)

Another way of working the pads is to roll them up, they are then soft and flexible and more easily handled than those in the solid roll, and also give a greater variety of patterns on account of having a larger surface.

To make the best and most natural **HEART GRAINING**, any of the metal heart plates, and Pads No. 1, 2, 3 and 4 should be used alternately.

For **Quartered Oak**, any of the metal quartered oak plates and Pad No. A. should be selected, and also used alternately.

By the combined use of both plates and pads the greatest satisfaction is obtained, because of the effective and pleasing variety thus secured.

## TERMS AND CONDITIONS.

All goods sent securely packed to any address, on receipt of full amount per P. O. order, Registered Letter, or Draft on New York.

All goods which are sent C. O. D. shall have orders granting privilege of examination thereof, at express office, before paying; but \$2.00 of the C. O. D. amount must invariably be paid ahead to us, before any C. O. D. order will be sent, which will be deducted from the C. O. D. bill accompanying the goods.

All orders having 50 cents or \$1.00 extra, besides the cash amount of set required, can have them shipped free of all express and return money charges, to any distant part of the United States in either one or two packages, secure and safe, by U. S. mail registered.

All Canadian orders must invariably be accompanied with draft on N. Y., or P. O. for full amount.

All European, Australian, and orders from other foreign countries, must also be accompanied with draft on New York or London for full amount of order, together with \$5.00 or £1 sterling extra, to pre-pay shipment of goods to destination.

Quantities of plates and sets are supplied to agents in job lots at reduced rates, for cash only.

N. B. All persons are warned not to purchase or use Metallic or Graining Stencil Plates, of any design, material or pattern whatever, unless obtained from the patentee's headquarters and stamped with my name, patent, trade mark, etc.

State, county and township rights for sale at a small percentage on the population contained therein.

For further particulars, terms, etc., address, giving name of your county and State in plain writing, and enclose stamp with all letters needing a prompt written reply, to

**W. J. BREGENZER,**

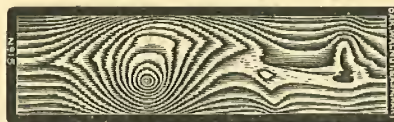
*Manufacturer,*

771 Central Ave., S. E., Cleveland, O.



## ADDITIONAL 9 PLATE SET.

Any plates can be chosen from this set, if desired, and mixed with any of the STANDARD CATALOGUE SETS, at same rates, pages 17 and 18.



OAK AND WALNUT GROWTH OR HEART PLATE, NO. 13.



CHESTNUT, ASH, WALNUT, CHERRY PLATE, NO. 14.



FINE OAK GROWTH OR HEART PLATE, NO. 15.



OAK LIGHTS OR CHAMPS PLATE, NO. 38.



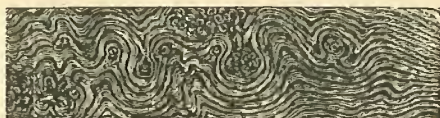
MAHOGANY, WALNUT, OAK, SATIN-WOOD, WALNUT, & C., FEATHER PLATE, 28.



OAK CHAMPS OR LIGHT'S PLATE, NO. 36.



BRAZILIAN ROSEWOOD PLATE, NO. 12.



FRENCH BURL WALNUT AND MAPLE WORK, DONE WITH PLATE NO. 27.



OAK LIGHTS OR CHAMPS PLATE, NO. 37.

## Indestructible Perforated Metallic Graining Tools,

FOR RAPIDLY GRAINING ALL WOODS IN OIL AND DISTEMPER.  
GUARANTEED CAPACITY OF EACH METALLIC PLATE  
TO PRODUCE FROM 500 to 1200 SQUARE YARDS  
OF CLEAN, WIPED-OUT RICH GRAINING  
BEFORE USED UP, COSTING ON  
AN AVERAGE LESS THAN  
1 CENT FOR 5 YARDS.

The above metallic plates will wipe out clean bright work even on new wood (no paint for a ground) shellacked or old new wood. One coat work or priming—2, 3 or more coats. No hand work or other graining process will grain on less than 3 or 4 coats, and make clean work. The less paint coats used for the ground the less liable to crack, blister, or peel. Particular dark graining and work exposed to the sun. There are valuable and economical facts for both painter and house owner to consider.  
(Don't be misled by any glue rubber rollers or by any perishable, worthless, slow and unclean absorbing or blotting off paper nonsense at a high cost per yard, and which is absolutely destroyed and consumed as soon as used, requiring continual renewing and expense.

The above Metallic Plates enable any person, skilled or unskilled, to produce artistic and natural Graining, in a prolific and endless variety of designs, without previous skill or practice, in less than  $\frac{1}{4}$  the usual time required heretofore — wiping out the work clean and bright as by hand-work. No uncleanly blotting off the color or transfers done with paper and other perishable patterns, leaving an unsightly scum of color behind. (As the varnish darkens all work; the very cleanest wiping out is therefore important and necessary.) Over twenty years' experience with everything in graining proves this fact: that to cleanly remove color, it must be wiped out, all other processes to transfer the color are therefore a failure, for above and following reasons: too expensive and slow for general and practical work; while used clogs up with color, and makes dirtier work after every impression. Too awkward, clumsy and unhandy to hold in firm position on the work, requiring continu-

WM. J. BREGENZER, 771 Central Ave., S. E., Cleveland, O.

ous cutting, fitting and renewal of material, incurring constant expense at a high cost for material and labor; besides, a man will never learn but forget the Art of Graining by using blank patterns, while with the **New Patent Perforated Metallic Plates** every design is clearly seen through the perforations therein while the work is in progress, allowing the operator to use his own taste and judgment along with the work as it progresses and by reversing the plates at different sections, sliding, etc., quickly making endless and continuous changes and varieties of pattern from each Plate, and truly teaching him the very art of graining itself, so that a full 14 plate set of the tools will make him a quick and first-class hand grainer long before the said set of plates are worn out, which is guaranteed to do, if carefully used, many thousands of yards of clean, wiped out, and rich work before used up, averaging only about one cent for each ten yards of work done with each plate; while their speed is on the average of more than four day's work (by hand or by any other process) done in a single day with the Plates. The handiness of using them in the sizes they are made, also facilitates their rapid application, as they fit anywhere where a steel graining comb fits; and any surface, rough smooth large or small can be rapidly and cleanly grained, while with larger plates or roller patterns it is utterly impossible to hold them in firm and steady position (a very important requirement) on the work, rendering a larger plate or sheet virtually impracticable to control with rapidity and success. The above descriptive illustration and explanation will demonstrate facts and truths wrought out by many years' experience—based on sound practical principles and experimental tests with every known material, proving the **Metallic Plates** herein described to be the only satisfactory and perfect outcome of all graining inventions to date. The engravings above shown are of the latest designs of the **Metallic Plates**, and a few plates of **Hearts, Lights** etc. are all that is needed by a first-class hand grainer to facilitate and push large jobs of graining through quickly, but to make set perfect add standard plates, pages 1, 2 and 3, with them.

By our new patent Electro Metal process just issued, we are now enabled to supply the finest and choicest plates from natural wood designs, being actually perforated metal veneers, finer and more perfect by the aid of electricity than is possible for the hand of man to produce. Each plate if carefully used is calculated to produce from \$50 to \$100 dollars worth of work before worn out, or in other words, as above stated, to produce from 500 to 1000 square yards, estimating the average popular market price for graining alone at 10 cts. per yard. Yet it can be done for one-fifth of this with our plates, and still make big money for the user as well as give thorough and perfect satisfaction to the customer having the work done. Therefore no unclean blotting or transfers done with expensive and perishable paper that has to be renewed about every 5 or 10 minutes (thereby eating up the entire profits of the work) can by any means compare or compete with our process, for all general graining purposes, even if each plate done but one-tenth of above amount of work claimed. A word to the **wise** is sufficient.

One of the most important features of the value of our graining tools is the fact that the graining done thereby, readily and quickly assimilates with the finest hand graining, and cannot be told apart which is plate and which is hand work; as the plate work is equally as clean and bright as the hand work, and therefore can be interwoven together one with the other, so as to help out long stretches of work that would be very tedious to do all by hand, and with no other known process of graining but our plates can this union of hand work in combination with plate work be accomplished.

Our latest prices for plates and sets are popular, and now within the reach of all buyers.



All the above plates and other specialties in Catalogue are fully secured by many patents in the U. S. and foreign countries, and all infringements thereof will be strictly dealt with. The above Plates are finely made of good, flexible metal, that will last years of regular work with ordinary care, as they never get clogged up with color, and as they are self-cleaning and constantly cleaned while in the action of using them on the work, are always bright and handsome in appearance, and though they are very lasting, double their durability can be further increased by a little solder applied to any worn or disconnected parts from time to time, which is easily and quickly done by a tinner, thereby getting the wear and use of three or four additional plates out of each plate before it is used up or entirely destroyed, and thus costing less than 50 cts. each on an average of first cost. These Plates are each an entire machine in itself, giving off scores of different designs, and a few years ago were sold at \$5.00 to \$7.00, and even more each, and taking into consideration their great lasting qualities, the rapidity of producing fine, clean work in endless variety from each plate, the splendid designs of the plates and the instructive knowledge of the art of graining they convey to the user are really worth that amount still; but owing to increased manufacturing facilities they are now sold at much lower prices.

Hoping to hear from you with orders

Yours very respectfully, WM. J. BREGENZER, 771 Central Ave., S. E., Cleveland, O.

## New Patent Indestructible Metallic Fresco Stencils.

A LONG FELT WANT SUPPLIED AT LAST.

THE ONLY PERFECTLY LEVEL METALLIC FRESCO STENCILS EVER MADE.

These goods are an entire new departure from the old perishable paper stencils, and at less than one-tenth the price when their durability is taken into consideration, to say nothing of being much more easily and rapidly handled, doing the work in less than  $\frac{1}{3}$  of the time consumed in applying a frail paper stencil to the work which soon breaks up, is hard to hold in position, gets full of color and has to be thrown away and a new one adopted instead, besides the constant trouble and loss of time entailing them. The ties or connections in a paper stencil have to be broad and clumsy, so as to be strong, while with the new patent Metallic Stencil the ties or connections are so thin and delicate as to be almost imperceptible, and yet strong. By my new patent process of making the Metal Stencils, they are perfectly flat and level, no buckling or unevenness, and lies snug and secure to the work, allowing no color whatever to get underneath. These new patent Metal Fresco Stencils are made by a new Electro process, just patented, without any hammering or cutting out with dies or edge-tools, or by acid etching, all of which stretches the metal and makes an uneven lying stencil. Either of these stencils will outwear several hundred perishable paper ones. The patterns which are now ready are as follows—see engravings: No. 1. Corner-piece, and also makes Center-piece, size of No. 1,  $11\frac{1}{4} \times 11\frac{1}{4}$ . No. 2. Border, that matches No. 1, to continue around a room, ceiling or panel, size of No. 2,  $14 \times 6\frac{1}{2}$ . No. 3. Border, also matches No. 1, the same as No. 2, size of No. 3,  $10 \times 5\frac{1}{2}$ . No. 4. Ornamental Flower, for panel, size of No. 4,  $10\frac{3}{4} \times 6\frac{1}{4}$ . No. 5. Running Border, for around panel or along wainscot. Matches nicely around No. 4 ornamental flower for panel. Size of No. 5,  $13\frac{3}{4} \times 4$ . No. 6. Border, also matches around panel ornament No. 4. Size of No. 6,  $8\frac{3}{4} \times 4$ . No. 7. Dado Pattern, makes nice wainscot border round a room, also does for large panel stars in center of numerous chalkline struck diagonals, etc. to fill large panels. Size of Dado pattern, No. 7,  $4 \times 4$ . Altogether there are seven choice designs in the entire outfit, making in all a splendid set, and makes first-class work in oil or water color. Every house and fresco painter should have the above set, as they will last years of hard and constant work, will not curl up, warp and spoil like paper patterns while not in use, and no trouble to clean, as they are always bright and clean while in use or not in use, and they will do the work of \$50.00 worth of perishable paper patterns. The whole set of seven is sold for the low price of \$4.00.

If sold separate, as follows, viz.:—

No. 1, \$1.00; No. 2, 80 cts.; No. 3, 60 cts.; No. 4, 60 cts.; No. 5, 60 cts.; No. 6, 50 cts.; No. 7, 40 cts. sent to any address on receipt of price, or by mail for 10 cts. each, additional to the above prices. We have many other designs but the above set is a standard assortment for general work.

Second Set:—No. 6, \$1.00; No. 7, \$1.00; No. 8, 75 cts.; No. 9, 75 cts.; No. 10, 75 cts.; No. 11, 40 cts. Set of 6 for \$4.00.

# SIXTY-FIVE OF THE MOST PRACTICAL AND USEFUL RECIPES

## Pertaining to the Painting and Decorating Business.

COPYRIGHT SECURED.

Many of which are valuable and have cost many a man from \$5.00 to \$20.00, just to get to know what is thoroughly explained by one of these receipts, price 10 cents each, seven for \$1.00, or \$3.00 for them all, neatly printed and secured, so as to be kept a good many years for future reference. They are as follows:

1. The six golden rules for the proper formation of Roman letters.
2. Lower case Roman, italic capitals and lower case italic.
3. Block, Egyptian or half block, script.
4. Spacing letters proportionately on the sign.
5. Wall lettering and how to do it any size.
6. How to lay out a sign correctly.
7. Coloring and shading letters, signs, etc., in harmony.
8. Proper harmonizing, compounding and mixing of all colors for house and sign work.
9. How to flock and small signs.
10. How to coat sign boards that will stand the weather.
11. All about sizing and gilding.
12. How to shade gold designs, scrolls, etc.
13. Gilding on glass.
14. How to execute pearl work in a neat and perfect manner.
15. Imitation pearl work.
16. Proper mode of etching gold and silver on glass.
17. Engraving and ornamenting glass with acid.
18. How to make florid acid and the required protective varnish.
19. Painting and gilding on silk, banners, etc.
20. How to size and gild Japan tin signs properly.
21. Solution for silvering glass.
22. Proper mode of gilding porcelain, china and glassware.
23. How to make neat, cheap enamel numbers for hotels, church pews, etc.
24. How to make excellent imitation enameled glass.
25. Window shade painting.
26. To make the best and most durable sign boards.
27. All about show card writing and how to do it perfectly.
28. How to do lettering on muslin, transparencies, etc.
29. Magic tracing paper.
30. How to make the best transparent tracing paper.
31. Saving waste gold leaf.
32. How to remove flock, smalt, and old cracked paint from sign boards, front doors, etc.
33. How to make smalts of all colors for sign work, etc.
34. Frosting for show cards, signs, etc., how used.
35. To prevent color from crawling.
36. How to make the best shellac varnish and knotting.
37. Mode of taking perfect impressions from prints, etc.
38. How to make soluble glass.
39. Mode of drilling and ornamenting glass.
40. How to make first class and cheap door plates.
41. To transfer prints to glass.
42. How to make paper into parchment.
43. Gilding glass signs, etc., short method.
44. How to make and use Glider's oil gold size.
45. Gilding on wood.
46. To make gold lacquer and gold varnish.
47. How to silver and gild ivory.
48. Reviver for gilt frames to make like new.
49. How to make letters and flowers on polished steel.
50. To silver looking glasses.
51. How to wash or plate iron and steel with gold.
52. Jet or polish for wood or leather, black, red or any color.
53. How to make Japan dryer, best quality.
54. To make drying oil equal to patent dryer at one-fourth the price.
55. How to make all kinds of polishes.
56. Fictitious linseed oil how made.
57. How to make beautiful pale amber varnish.
58. To make the best body varnish.
59. Carriage varnish, best quality.
60. Incombustible compound iron paint.
61. Good, durable and cheap outside paint.
62. Farmers' paint, best formula known.
63. Premium paint without lead or oil, very durable.
64. Milk paint for barns, any color.
65. How to make school blackboard composition.

All orders for the above recipes must plainly state their respective names and numbers and invariably be accompanied with the cash. Address all communications in plain writing, giving your name of county, etc., enclosing stamp with all letters needing a prompt written reply to

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16

27

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